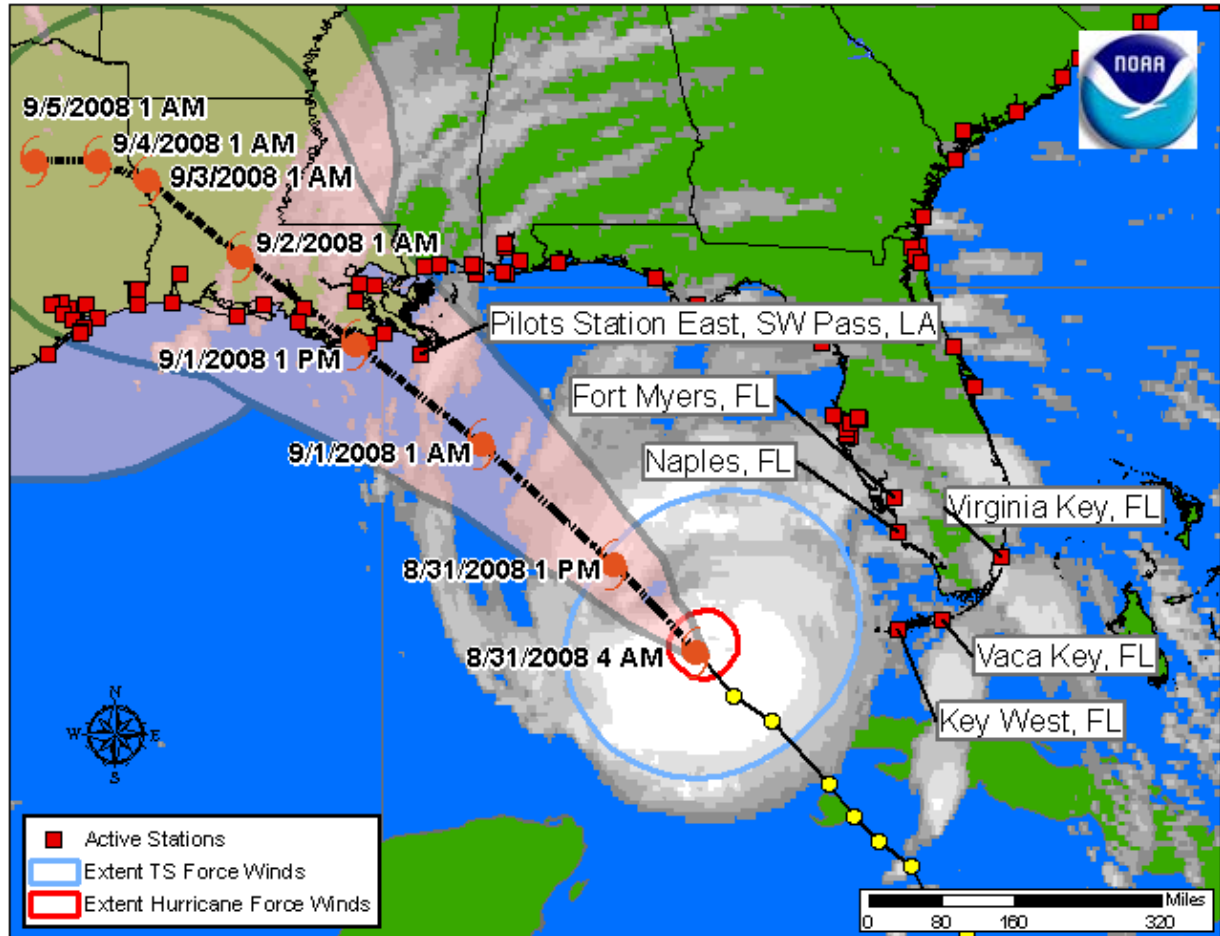




Hurricane GUSTAV QuickLook
Posted: 05:00 CDT 08/31/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/31/2008 05:00 CDT, water levels along the Florida Keys and southern Florida are elevated and are approximately 0.4 to 1.0 feet above predicted. Water levels at Vaca Key and Fort Myers, FL are at predicted. Water levels are rising at Pilots Station East, SW Pass, LA and are about 0.50 feet above predicted. Winds are increasing with gusts above 35 knots being measured. Barometric pressure is falling.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tide is 2.18 ft (0.66 m) at 08/31/2008 10:59 EDT.

Vaca Key, FL: Next predicted high tide is 1.20 ft (0.37 m) at 08/31/2008 15:30 EDT.

Virginia Key, FL: Next predicted high tide is 2.62 ft (0.80 m) at 08/31/2008 10:00 EDT.

Naples, FL: Next predicted high tide is 3.40 ft (1.04 m) at 08/31/2008 13:11 EDT.

Fort Myers, FL: Next predicted high tide is 1.50 ft (0.46 m) at 08/31/2008 17:03 EDT.

Pilots Station East, SW Pass, LA: Next predicted high tide is 0.70 ft (0.21 m) at 08/31/2008 18:43 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: ND

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 27

400 AM CDT SUN AUG 31 2008

HURRICANE WARNINGS ISSUED FOR THE NORTHERN GULF COAST

AT 4 AM CDT0900 UTCA HURRICANE WARNING IS ISSUED FOR THE NORTHERN GULF COAST FROM CAMERON LOUISIANA EASTWARD TO THE ALABAMA-FLORIDA BORDER INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN. A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

AT 4 AM CDT 0900 UTC A TROPICAL STORM WARNING IS ISSUED FROM EAST OF THE ALABAMA-FLORIDA BORDER TO THE OCHLOCKONEE RIVER AND FROM WEST OF CAMERON LOUISIANA TO JUST EAST OF HIGH ISLAND TEXAS. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A HURRICANE WATCH REMAINS IN EFFECT FROM WEST OF CAMERON LOUISIANA TO JUST EAST OF HIGH ISLAND TEXAS. A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREAGENERALLY WITHIN 36 HOURS.

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE LOWER FLORIDA KEYS WEST OF THE SEVEN MILE BRIDGE TO THE DRY TORTUGAS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGSPLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 400 AM CDT 0900Z THE CENTER OF HURRICANE GUSTAV WAS LOCATED NEAR LATITUDE 24.2 NORTHLONGITUDE 85.0 WEST OR ABOUT 425 MILES 680 KM SOUTHEAST OF THE MOUTH OF THE MISSISSIPPI RIVER.

GUSTAV IS MOVING TOWARD THE NORTHWEST NEAR 16 MPH 26 KM/HR AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS WITH SOME DECREASE IN FORWARD SPEED EXPECTED ON MONDAY. ON THIS TRACK GUSTAV WILL BE MOVING ACROSS THE CENTRAL GULF OF MEXICO TODAY AND MAKE LANDFALL ON THE NORTHERN GULF COAST ON MONDAY.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 125 MPH 205 KM/HR WITH HIGHER GUSTS. GUSTAV IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME RESTRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS AND GUSTAV COULD REGAIN CATEGORY FOUR STRENGTH LATER TODAY OR TONIGHT.

GUSTAV IS A LARGE TROPICAL CYCLONE. HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 50 MILES 85 KM FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 200 MILES 325 KM.

THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT IS 958 MB 28.29 INCHES.

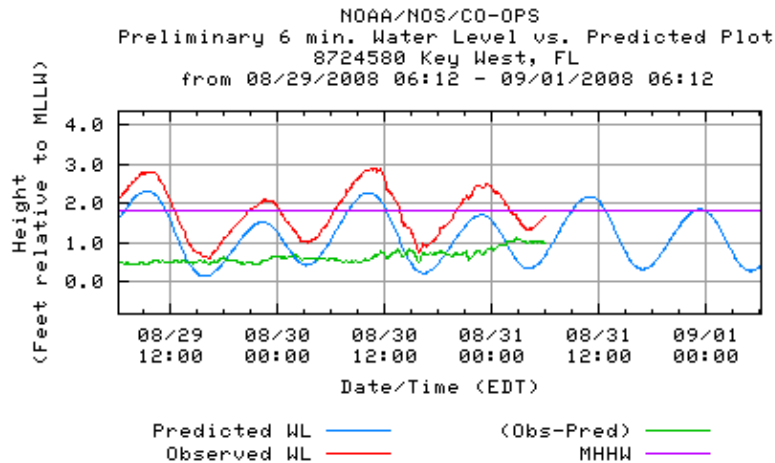
AN EXTREMELY DANGEROUS STORM SURGE OF 18 TO 25 FEET ABOVE NORMAL TIDAL LEVELS IS EXPECTED NEAR AND TO THE EAST OF WHERE THE CENTER OF GUSTAV CROSSES THE NORTHERN GULF COAST. A STORM SURGE OF 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IS POSSIBLE IN THE DRY TORTUGAS AS GUSTAV PASSES TO ITS WEST.

FORECASTER BLAKE/PASCH

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Winds](#), [Key West - Air/Water Temp](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Air/Water Temp](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Air/Water Temp](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Barometric](#),

Key West, FL - Station Map [Return to List](#)

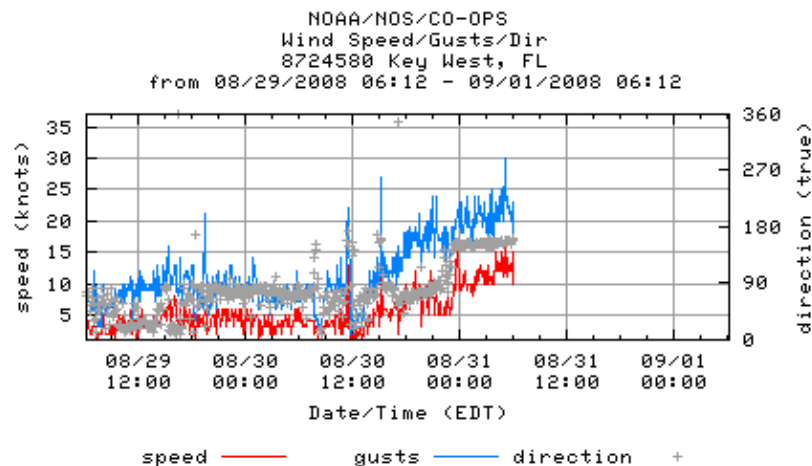


Last Observed Sample: 08/31/2008 06:00 (EDT)

Relative to **MLLW**: **Observed: 1.66 ft. Predicted: 0.68 ft. Residual: 0.98 ft.**

Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

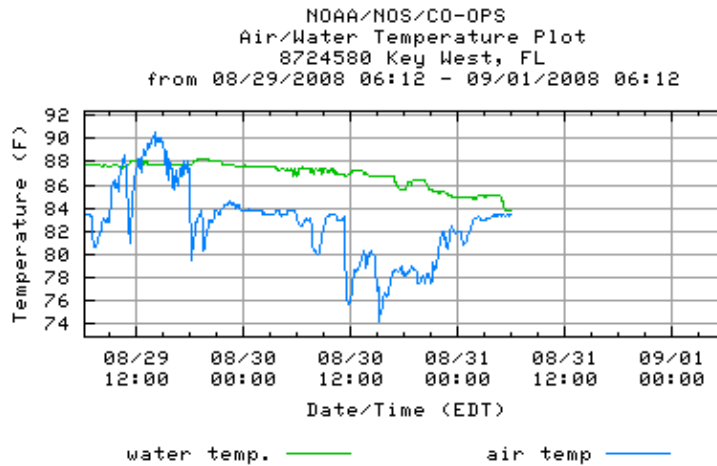
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Wind Speed: 10 knots Gusts: 17 knots Direction: 162° T

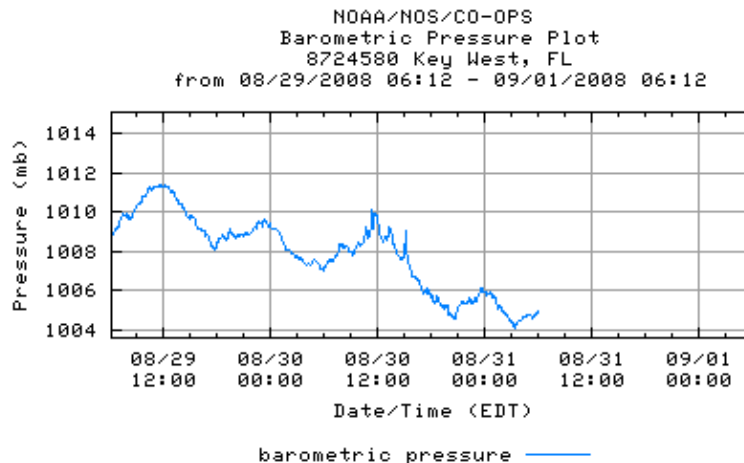
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Water Temperature: 83.7° F Air Temperature: 83.5° F

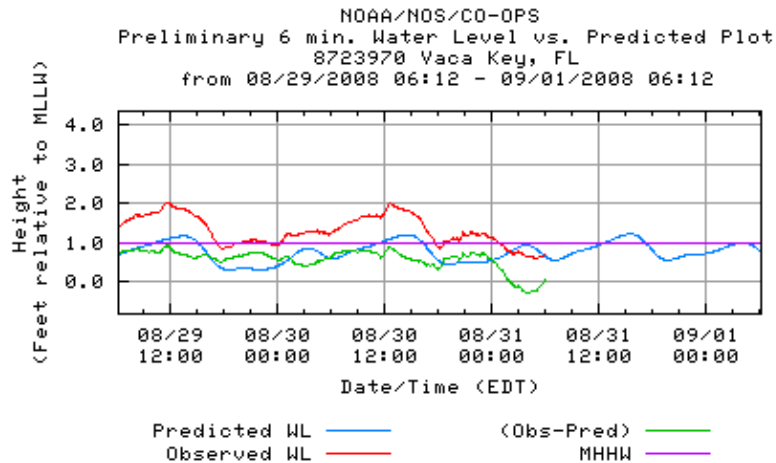
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Barometric Pressure: 1005.0 mb

Vaca Key, FL - Station Map [Return to List](#)

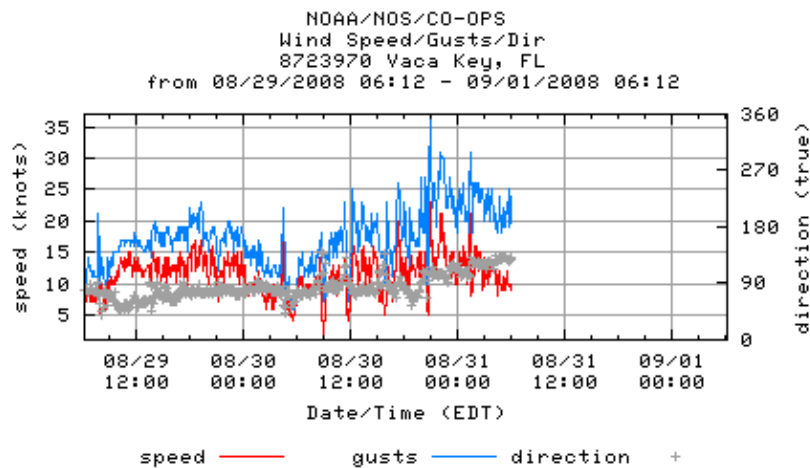


Last Observed Sample: 08/31/2008 06:00 (EDT)

Relative to **MLLW**: **Observed: 0.71 ft.** **Predicted: 0.66 ft.** **Residual: 0.05 ft.**

Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

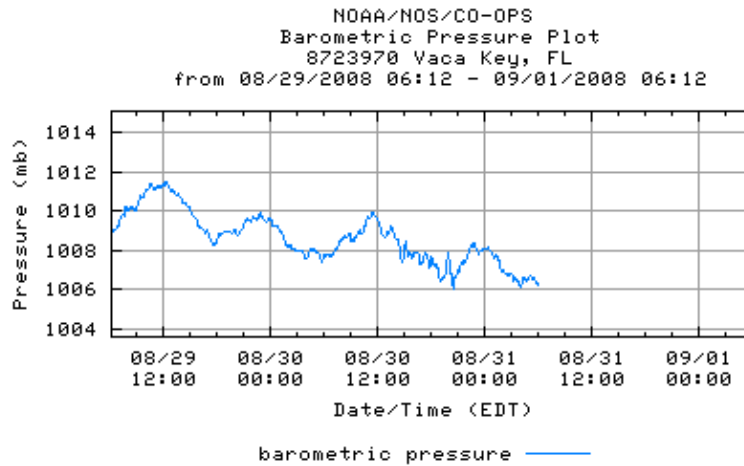
Vaca Key, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Wind Speed: 10 knots **Gusts: 24 knots** **Direction: 130° T**

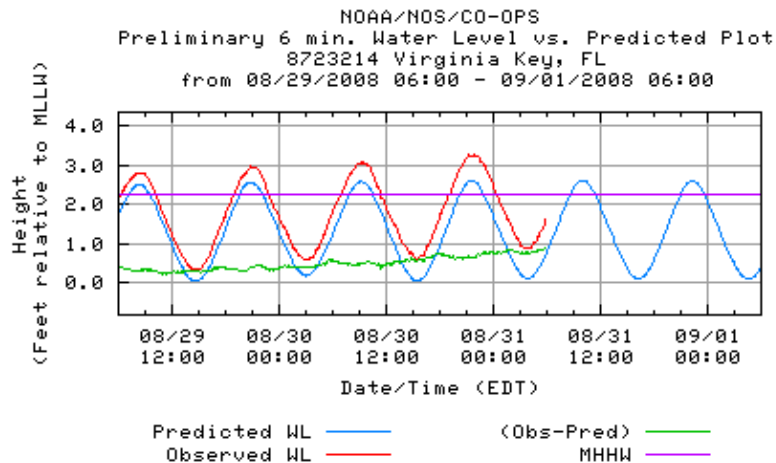
Vaca Key, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Barometric Pressure: 1006.2 mb

Virginia Key, FL - Station Map [Return to List](#)

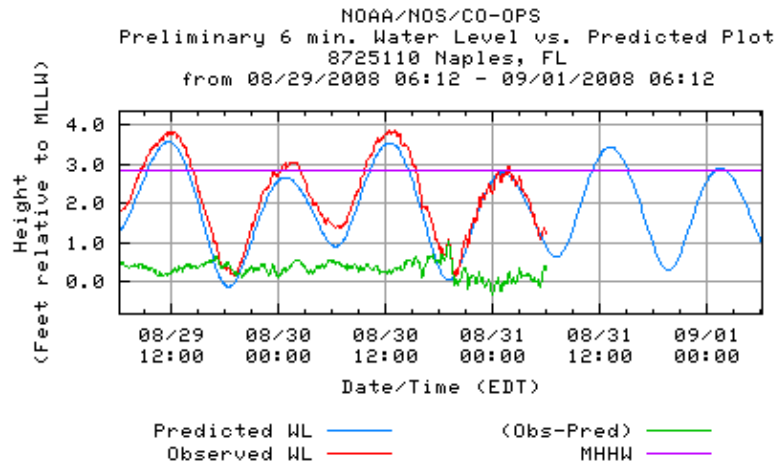


Last Observed Sample: 08/31/2008 05:48 (EDT)

Relative to **MLLW**: Observed: 1.60 ft. Predicted: 0.69 ft. Residual: 0.91 ft.

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

Naples, FL - Station Map [Return to List](#)

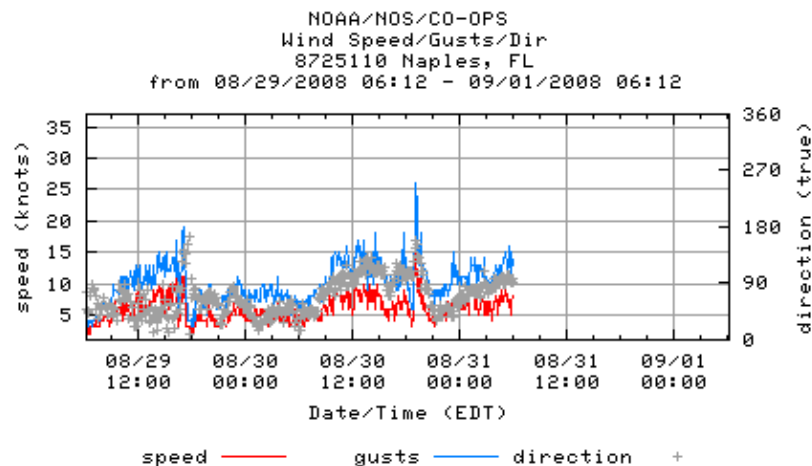


Last Observed Sample: 08/31/2008 06:00 (EDT)

Relative to **MLLW**: **Observed: 1.30 ft. Predicted: 0.89 ft. Residual: 0.41 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

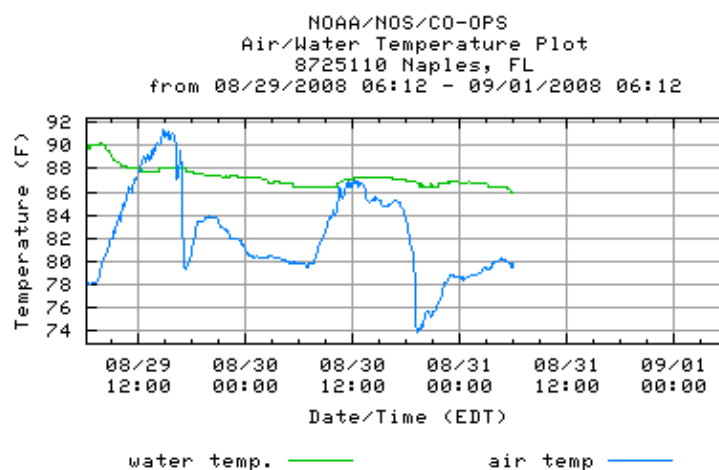
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Wind Speed: 8 knots Gusts: 13 knots Direction: 099° T

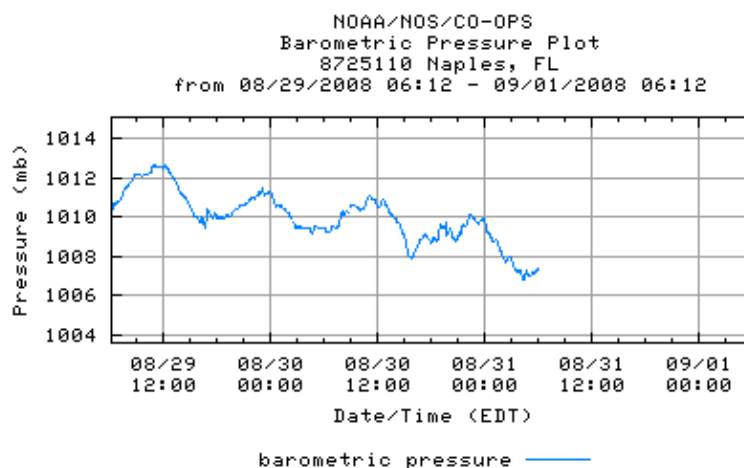
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Water Temperature: 86.0° F Air Temperature: 79.5° F

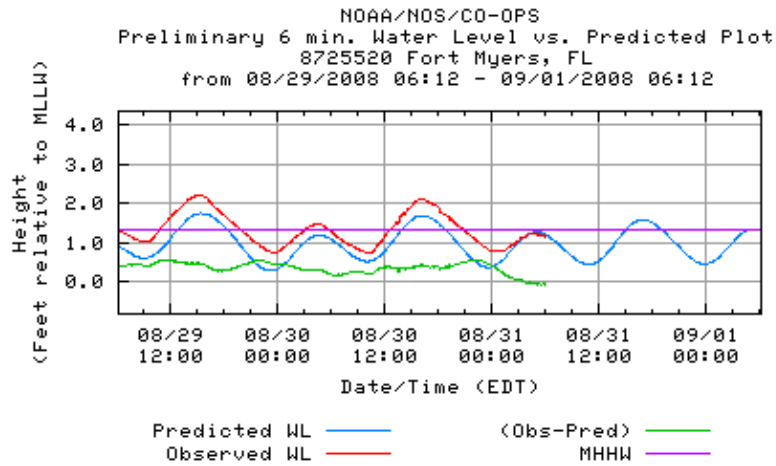
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 06:00 (EDT)

Barometric Pressure: 1007.4 mb

Fort Myers, FL - Station Map [Return to List](#)

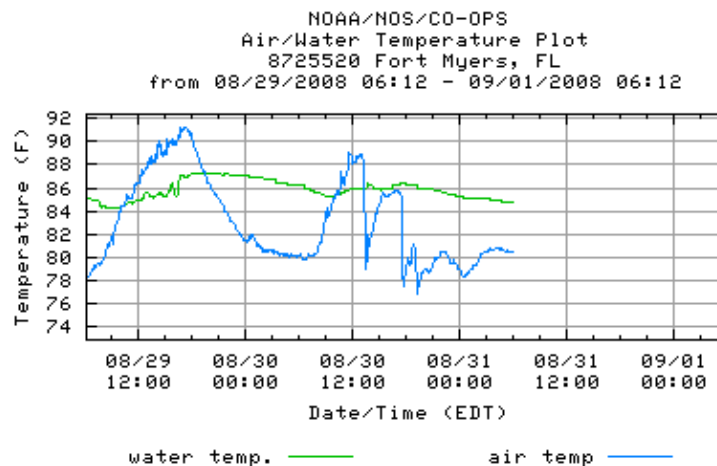


Last Observed Sample: 08/31/2008 06:00 (EDT)

Relative to **MLLW**: **Observed: 1.13 ft. Predicted: 1.21 ft. Residual: -0.08 ft.**

Historical Maximum Water Level: 11/23/1988, 3.41 ft. above **MHHW**

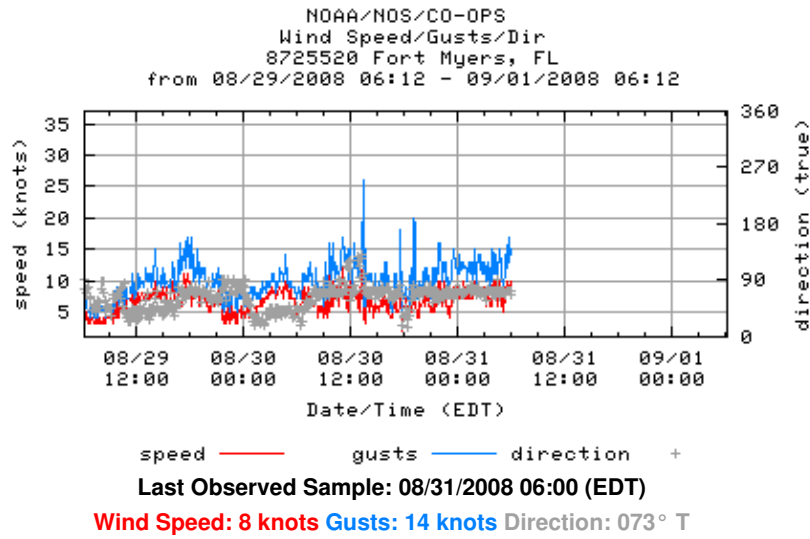
Fort Myers, FL - Station Map [Return to List](#)



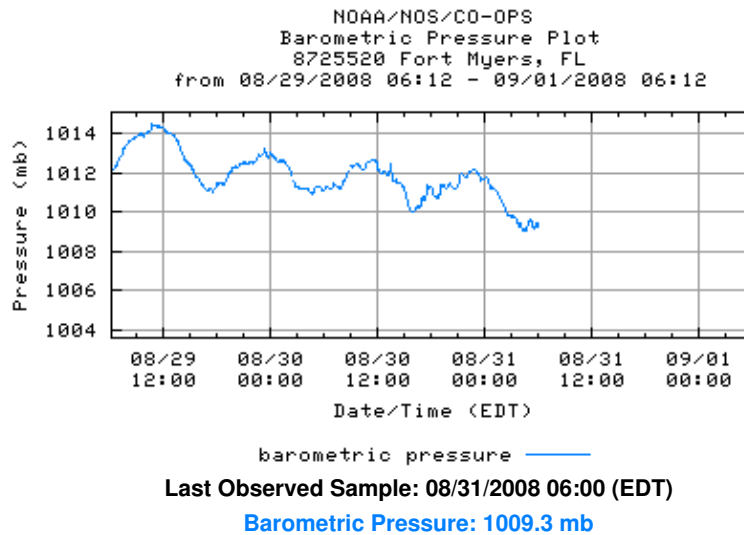
Last Observed Sample: 08/31/2008 06:00 (EDT)

Water Temperature: 84.7° F Air Temperature: 80.4° F

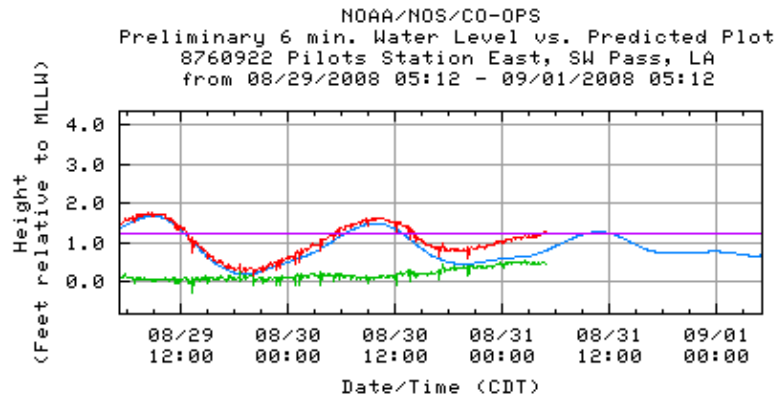
Fort Myers, FL - Station Map [Return to List](#)



Fort Myers, FL - Station Map [Return to List](#)



Pilots Station East, SW Pass, LA - Station Map [Return to List](#)

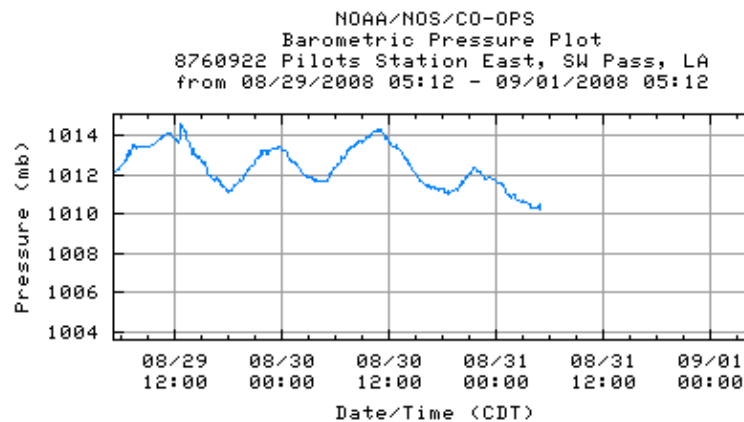


Last Observed Sample: 08/31/2008 05:00 (CDT)

Relative to **MLLW**: **Observed: 1.24 ft. Predicted: 0.80 ft. Residual: 0.44 ft.**

Historical Maximum Water Level: n/a

Pilots Station East, SW Pass, LA - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 05:00 (CDT)

Barometric Pressure: 1010.5 mb

Hurricane GUSTAV QuickLook, POSTED 05:00 CDT 08/31/2008

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce